Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/13/2018 10:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125808	0	1.76	125899	1.78
Blue	F	SSC	125000	124072	-1	2.27	124764	2.21
Blue	E	FITC	15760	15329	-3	3.12	331	23.34
Blue	D	PE	25880	25297	-3	2.21	551	17.82
Blue	B	PerCP-Cy5-5	34075	34141	0	4.38	1041	23.27
Blue	A	PE-Cy7	22776	23304	2	7.69	566	45.73
Red	C	APC	42488	41402	-3	2.71	1558	13.16
Red	A	APC-Cy7	24478	23774	-3	2.81	814	13.24
Violet	B	V450	6304	6078	-4	4.45	340	18.53
Violet	A	V500	26005	24623	-6	4.07	577	13.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21016	7.73	611	14	N/A	N/A	Pass
Blue	F	SSC	56188	1.67	581	26	N/A	N/A	Pass
Blue	E	FITC	57	79.55	564	8	0.0149	250	Pass
Blue	D	PE	115	59.67	558	9	0.1066	259	Pass
Blue	B	PerCP-Cy5-5	195	57.60	659	12	0.0071	92	Pass
Blue	A	PE-Cy7	109	114.05	714	17	0.0089	28	Pass
Red	C	APC	366	28.01	601	1	0.0207	154	Pass
Red	A	APC-Cy7	200	29.12	572	1	0.0045	922	Pass
Violet	B	V450	53	86.91	500	11	0.0251	2425	Pass
Violet	A	V500	86	49.42	516	10	0.0131	1441	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.36	-30.78	0.93
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.17	13.60 - 20.40	N/A	N/A	30.55	31.22	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12517

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments